-continued

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

<400> SEQUENCE: 4

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What is claimed:

1. A nanoparticle comprising:

(a) a first polymer containing a polyol coupled to a second polymer containing a phenylboronic acid;

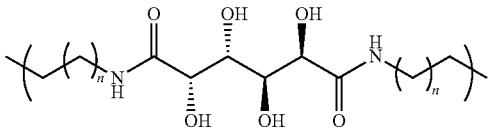
(b) a ligand for a first cellular receptor; and

(c) a therapeutic agent.

2. The nanoparticle of claim **1** wherein, in the first polymer, the polyol is a mucic acid polymer (MAP).

3. The nanoparticle of claim **2**, wherein the mucic acid polymer contains repeating units comprising:

(XXVII)

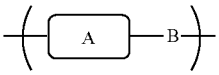


wherein:

n is 1.

4. The nanoparticle of claim **3**, wherein the mucic acid polymer has the structural unit:

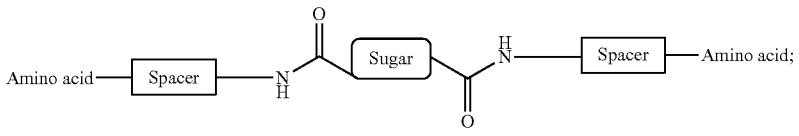
(I)



derived from the coupling of A and B;

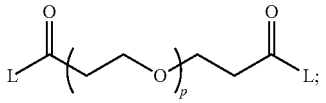
wherein A is

VI



Bis

XIV



and

wherein:

sugar is mucic acid,

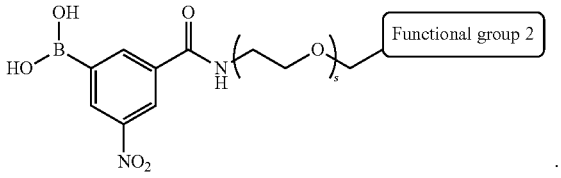
spacer is —CH_2—CH_2—NH—,

L is a leaving group, and

p is from 20-200.

5. The nanoparticle of claim **1** wherein, in the second polymer, the phenylboronic acid is a nitrophenylboronic acid.

6. The nanoparticle of claim **5**, wherein the second polymer has the structure:



and isomers thereof wherein:

(a) the PEG moiety is attached to the phenyl ring in an ortho or a para position relative to the boronic acid moiety, and/or

(b) the nitro group is attached to the phenyl ring in an ortho or a para position relative to the boronic acid moiety; and

wherein s is from 20-300, and

functional group 2 comprises the ligand for a first cellular receptor.

7. The nanoparticle of claim **1**, wherein the ligand for a first cellular receptor is a protein.

8. The nanoparticle of claim **7**, wherein the protein is an antibody directed to the first cellular receptor.

9. The nanoparticle of claim **8**, wherein the antibody is Herceptin®.

10. The nanoparticle of claim **1**, wherein the therapeutic agent is a small molecule chemotherapeutic.

11. The nanoparticle of claim **10**, wherein the small molecule chemotherapeutic is selected from the group consisting of camptothecin, a camptothecin-based drug, an epothilone and a taxane.